STN- Structure Search
10/25/05

10/743,952

=> d ibib abs hitstr 1-2

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:868631 CAPLUS
DOCUMENT NUMBER: 138:137685
TITLE: Preliminary study of the non-emissive thermal rearrangement of novel N-cyanates to rigid rod polymers
AUTHOR(S): Hay, John N.; Martin, Philip S.; Bird, Clive W.; Hormozi, Neda
CORPORATE SOURCE: Department of Chemistry, University of Surrey, Surrey, GU2 7XH, UK
SOURCE: Polymer International (2002), 51(10), 1031-1036
CODEN: PLYIEI; ISSN: 0959-8103
PUBLISHER: John Wiley & Sons Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

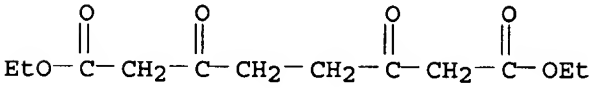
AB Novel materials, both monomeric and polymeric, were synthesized to study the non-emissive thermal rearrangement of N-cyanates. These materials undergo an exothermic rearrangement, at temps. in the range of 150-300°, to fused heterocyclic products. The series of N-cyanate polymeric materials was characterized by FTIR and modulated DSC as a preliminary assessment of their use as processable precursors to rigid rod polymers.

IT **492449-87-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(non-emissive thermal rearrangement of N-cyanates to rigid rod polymers)

RN 492449-87-3 CAPLUS
CN Octanedioic acid, 3,6-dioxo-, diethyl ester, polymer with 1,1'-(sulfonyldi-4,1-phenylene)bis[hydrazine] (9CI) (CA INDEX NAME)

CM 1

CRN 56830-69-4
CMF C12 H18 O6



CM 2

CRN 14052-65-4
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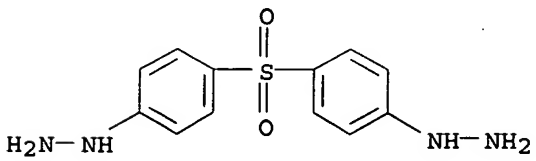

IT **492449-87-3DP**, cyanation products
RL: SPN (Synthetic preparation); PREP (Preparation)
(non-emissive thermal rearrangement of N-cyanates to rigid rod polymers)

RN 492449-87-3 CAPLUS
CN Octanedioic acid, 3,6-dioxo-, diethyl ester, polymer with 1,1'-(sulfonyldi-4,1-phenylene)bis[hydrazine] (9CI) (CA INDEX NAME)

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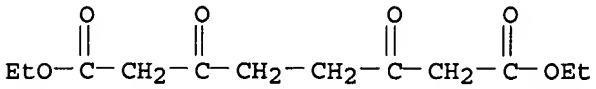

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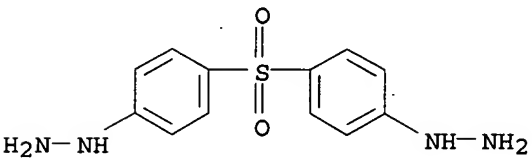
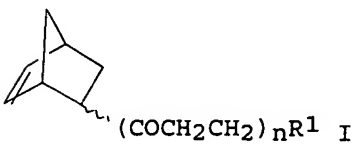


REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1982:6125 CAPLUS
DOCUMENT NUMBER: 96:6125
TITLE: Addition of aldehydes to activated double bonds. XXX. Synthesis of unsymmetrical γ-polyketones, 4,7,10-trioxo esters, and 4,7,10-trioxo nitriles
AUTHOR(S): Stetter, Hermann; Mertens, Alfred
CORPORATE SOURCE: Inst. Org. Chem., Tech. Hochsch. Aachen, Aachen, D-5100, Fed. Rep. Ger.
SOURCE: Liebigs Annalen der Chemie (1981), (9), 1550-60
CODEN: LACHDL; ISSN: 0170-2041
DOCUMENT TYPE: Journal
LANGUAGE: German
OTHER SOURCE(S): CASREACT 96:6125
GI



I

AB The thiazolium salt-catalyzed addition of RCHO (R = Me, Et, Pr, C6H13, Me2CH, Me2CHCH2, Ph, 4-ClC6H4, 4-MeOC6H4, 3-pyridyl, 2-furyl, 2-thienyl, norbornenyl) to H2C:CH(COCH2CH2)nR1 (n = 2, 3, 4; R1 = COMe, COPh, CO2Me, cyano) gave R(COCH2CH2)n+1R1. H2C:CH(COCH2CH2)nR1 (n = 2, R1 = COMe, COPh, CO2Me, cyano) were prepared by thiazolium salt-catalyzed addition of

5-norbornene-2-carboxaldehyde to H2C:CHCOCH2CH2R1 to give derivs. I which were pyrolyzed. Repeated addition of H2C:CHCOCH2CH2COMe to I (n = 2, R1 = COMe) and pyrolysis gave H2C:CH(COCH2CH2)nR1 (n = 3, 4; R1 = COMe).

IT **79977-19-8P 79977-22-3P 79977-27-8P 79977-31-4P 79977-35-8P 79977-40-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 79977-19-8 CAPLUS
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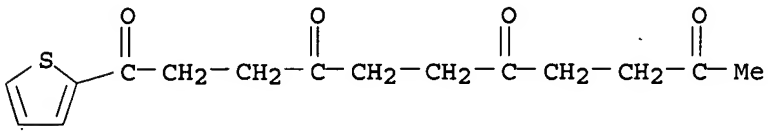

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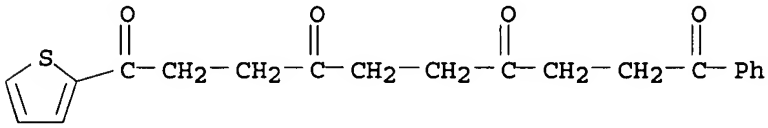

RN 79977-27-8 CAPLUS
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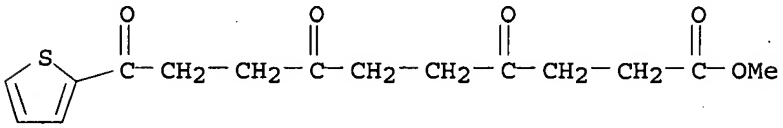
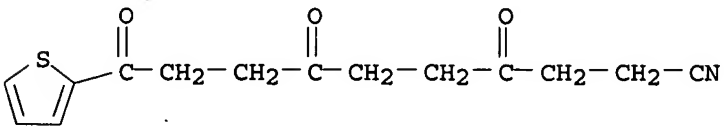
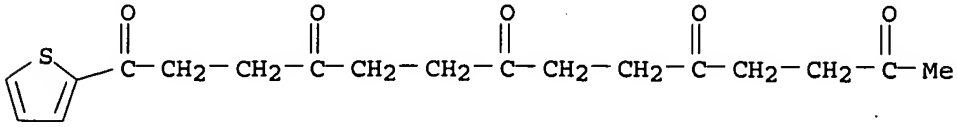


RN 79977-31-4 CAPLUS
CN 2-Thiophenedecanenitrile, γ,ζ,ι-trioxo- (9CI) (CA INDEX NAME)

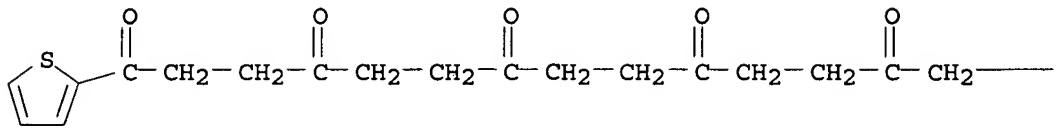


RN 79977-35-8 CAPLUS
CN 1,4,7,10,13-Tetradecanepentone, 1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 79977-40-5 CAPLUS
CN 1,4,7,10,13,16-Heptadecanehexone, 1-(2-thienyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



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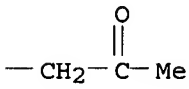

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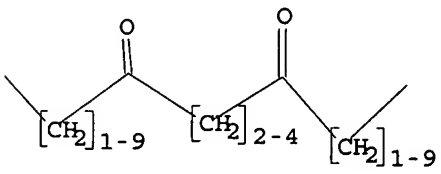
L2 1 S L1
L3 854286 S 0-2/NR AND 2-8/O AND 0-2/N AND 0-1/S
L4 0 S L1 SAM SUB=L3
L5 7 S L1 FULL SUB=L3

FILE 'CAPLUS' ENTERED AT 14:51:01 ON 25 OCT 2005
L6 2 S L5

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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L12 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:925384 CAPLUS
DOCUMENT NUMBER: 138:1970
TITLE: A differential labelling method for sulfur and nitrogen containing entities using platinum complexes
INVENTOR(S): Talman, Eduard Gerhard; Van Gijlswijk, Robertus Petrus Maria; Heetebrij, Robert Jochem; Veuskens, Jacky Theo Maria
PATENT ASSIGNEE(S): Kreatech Biotechnology B.V., Neth.

SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1262778	A1	20021204	EP 2001-202007	20010528
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CA 2448587	AA	20021205	CA 2002-2448587	20020524
WO 2002097439	A2	20021205	WO 2002-NL334	20020524
WO 2002097439	A3	20030123		
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2004530885	T2	20041007	JP 2003-500567	20020524
US 2003060647	A1	20030327	US 2002-156730	20020528
PRIORITY APPLN. INFO.:			EP 2001-202007 A	20010528
			WO 2002-NL334 W	20020524

OTHER SOURCE(S): MARPAT 138:1970

AB The invention relates to a method for differentially labeling one or more entities, together comprising distinct sulfur and nitrogen containing reactive sites. The invention further relates to an entity that has been labeled by a method according to the invention and to a diagnostic kit comprising a labeled entity and to a diagnostic kit to employ a method according to the invention. Bovine serum albumin was differentially labeled with rhodamine cis-Pt compound

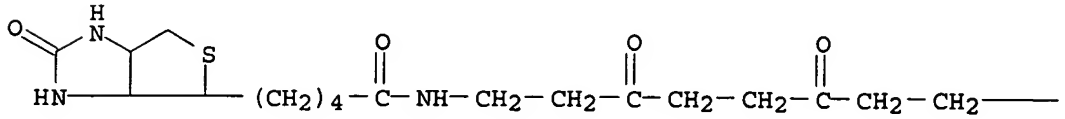
IT **477336-06-4**
RL: RCT (Reactant); RACT (Reactant or reagent)
(differential labeling method for sulfur and nitrogen containing entities using platinum complexes)

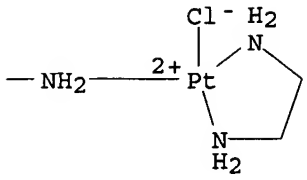
RN 477336-06-4 CAPLUS

CN Platinum(1+), [(3aS,4S,6aR)-N-[8-(amino-κN)-3,6-dioxooctyl]hexahydro-2-oxo-1H-thieno[3,4-d]imidazole-4-pentanamide]chloro(1,2-ethanediamine-κN,κN')-, (SP-4-3)-, nitrate (9CI) (CA INDEX NAME)

CM 1

CRN 477336-05-3
CMF C20 H38 Cl N6 O4 Pt S
CCI CCS





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CRN 14797-55-8
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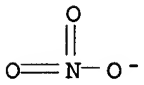


REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:868631 CAPLUS
DOCUMENT NUMBER: 138:137685
TITLE: Preliminary study of the non-emissive thermal rearrangement of novel N-cyanates to rigid rod polymers
AUTHOR(S): Hay, John N.; Martin, Philip S.; Bird, Clive W.; Hormozi, Neda
CORPORATE SOURCE: Department of Chemistry, University of Surrey, Surrey, GU2 7XH, UK
SOURCE: Polymer International (2002), 51(10), 1031-1036
CODEN: PLYIEI; ISSN: 0959-8103
PUBLISHER: John Wiley & Sons Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

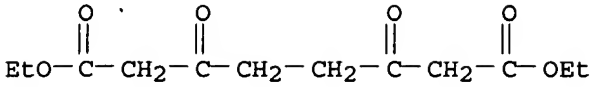
AB Novel materials, both monomeric and polymeric, were synthesized to study the non-emissive thermal rearrangement of N-cyanates. These materials undergo an exothermic rearrangement, at temps. in the range of 150-300°, to fused heterocyclic products. The series of N-cyanate polymeric materials was characterized by FTIR and modulated DSC as a preliminary assessment of their use as processable precursors to rigid rod polymers.

IT **492449-87-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(non-emissive thermal rearrangement of N-cyanates to rigid rod polymers)

RN 492449-87-3 CAPLUS
CN Octanedioic acid, 3,6-dioxo-, diethyl ester, polymer with 1,1'-(sulfonyldi-4,1-phenylene)bis[hydrazine] (9CI) (CA INDEX NAME)

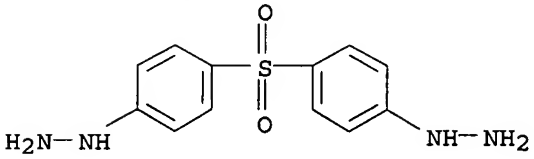
CM 1

CRN 56830-69-4
CMF C12 H18 O6



CM 2

CRN 14052-65-4
CMF C12 H14 N4 O2 S



IT **492449-87-3DP**, cyanation products
RL: SPN (Synthetic preparation); PREP (Preparation)
(non-emissive thermal rearrangement of N-cyanates to rigid rod polymers)
RN 492449-87-3 CAPLUS
CN Octanedioic acid, 3,6-dioxo-, diethyl ester, polymer with 1,1'-(sulfonyldi-4,1-phenylene)bis[hydrazine] (9CI) (CA INDEX NAME)

CM 1

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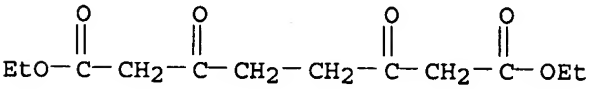

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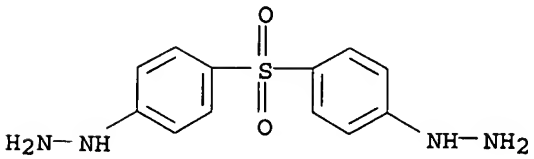
CMF C12 H14 N4 O2 S



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:293585 CAPLUS
DOCUMENT NUMBER: 136:325529
TITLE: Aliphatic, aromatic, and heterocyclic ketone compounds and compositions for cholesterol management and related uses

10/743,952

INVENTOR(S): Dasseux, Jean-Louis H.; Oniciu, Carmen Daniela
PATENT ASSIGNEE(S): Esperion Therapeutics, Inc., USA
SOURCE: PCT Int. Appl., 285 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002030860	A2	20020418	WO 2001-US31872	20011011
WO 2002030860	C2	20030220		
WO 2002030860	A3	20020815		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2425311	AA	20020418	CA 2001-2425311	20011011
AU 2002013136	A5	20020422	AU 2002-13136	20011011
EP 1326822	A2	20030716	EP 2001-981499	20011011
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JP 2004511453	T2	20040415	JP 2002-534250	20011011
BR 2001014622	A	20040629	BR 2001-14622	20011011
EP 1564200	A1	20050817	EP 2005-9613	20011011
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				

PRIORITY APPLN. INFO.: US 2000-239232P P 20001011
EP 2001-981499 A3 20011011
WO 2001-US31872 W 20011011

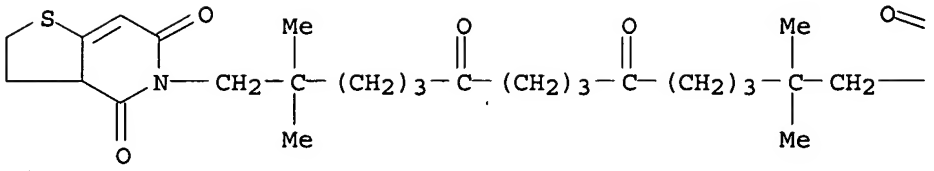
OTHER SOURCE(S): MARPAT 136:325529

AB The invention relates to novel ketone compds., compns. comprising such ketone compds., and methods useful for treating and preventing cardiovascular diseases, dyslipidemias, dysproteinemias, and glucose metabolism disorders, comprising administering a composition comprising such a compound In particular, compds. W1-Zm-C(O)-G-C(O)-Zm-W2 (I) and their pharmaceutically acceptable salts, hydrates, solvates, clathrates, stereoisomers, geometric isomers, and racemates, are claimed [wherein: (a) each Z is independently CH2, CH=CH, or Ph; each m is independently 1-9, but when Z is Ph, then its associated m is 1; (b) G is (CH2)x, CH2CH=CHCH2, CH=CH, CH2-phenyl-CH2, or Ph, where x is 2-4; (c) W1 and W2 are independently L, V, C(R1)(R2)-(CH2)c-C(R3)(R4)-(CH2)0-4-Y, or C(R1)(R2)-(CH2)c-V where c is 1 or 2; (d) each R1 or R2 is independently (C1-C6)alkyl, (C2-C6)alkenyl, (C2-C6)alkynyl, Ph, or benzyl or when one or both of W1 and W2 is C(R1)(R2)-(CH2)c-C(R3)(R4)-(CH2)0-4-Y, then R1 and R2 can both be H to form a methylene group; (e) R3 is H, (C1-C6)alkyl, (C2-C1)alkenyl, (C2-C6)alkynyl, (C1-C6)alkoxy, Ph, benzyl, Cl, Br, CN, NO2, or CF3; (f) R4 is OH, (C1-C6)alkyl, (C2-C6)alkenyl, (C2-C6)alkynyl, (C1-C6)alkoxy, Ph, benzyl, Cl, Br, CN, NO2, or CF3; (g) L is C(R1)(R2)-(CH2)0-4-Y; (h) V is a variety of O-containing rings, mainly lactones, such as tetrahydropyranyloxy, oxooxetanyl, oxotetrahydrofuranyl, etc.; Y is independently OH, CO2H and certain esters, CHO, SO3H, phosphoryloxy and derivs., tetrazolyl, hydroxyisoxazolyl, certain thienopyridinyl derivs., etc.; with numerous provisos]. The compds. I, their compns., and methods of the invention are also useful for treating and preventing Alzheimer's disease, Syndrome X, peroxisome proliferator activated receptor-related disorders, septicemia, thrombotic disorders,

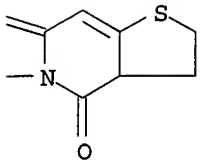
obesity, pancreatitis, hypertension, renal disease, cancer, inflammation, and impotence. In certain embodiments, the compds., compns., and methods of the invention are useful in combination therapy with other therapeutics, such as hypocholesterolemic and hypoglycemic agents. Several preparative examples are given, as well as biol. data (antihypercholesterolemic and hypolipidemic) for selected compds. A large number of compds. are claimed by name and/or structure. For instance, p-toluenesulfonylmethyl isocyanide was bis-C-alkylated by Br(CH2)4CMe2CH2O-THP (THP = 2-tetrahydropyranyl) using NaH in DMSO, and the resultant sym. α-tosyl isocyanide p-MeC6H4SO2C(N.tplbond.C)[(CH2)4CMe2CH2O-THP]2 was hydrolyzed and deprotected with HCl in refluxing aqueous MeOH to give a sym. ketone-diol, namely the invention compound O:C[(CH2)4CMe2CH2OH]2 (II). In an oral test on chow-fed rats, II gave a 72% reduction in VLDL cholesterol, a 88% reduction in LDL cholesterol, a 3% increase in HDL cholesterol, a 30% reduction in total serum cholesterol, and a 64% reduction in serum triglycerides, with a slight reduction in weight gain.

IT **413622-51-2P**, 2,12-Bis(4,6-dioxo-2,3,3a,6-tetrahydro-4H-thieno[3,2-c]pyridin-5-yl)-2,12-dimethyltridecane-5,9-dione **413622-62-5P**, 1-Ethyl-3-[11-(3-ethyl-2,5-dithioxoimidazolidin-1-yl)-1,1,11-trimethyl-4,8-dioxododecyl]imidazolidine-2,4-dione **413622-64-7P**, 2,12-Bis(3-ethyl-5-oxo-2-thioxoimidazolidin-1-yl)-2,12-dimethyltridecane-5,9-dione **413622-65-8P**, 2,12-Bis(3-ethyl-2-oxo-5-thioxoimidazolidin-1-yl)-2,12-dimethyltridecane-5,9-dione **413622-74-9P**, 1,13-Bis(4,6-dioxo-2,3,3a,6-tetrahydro-4H-thieno[3,2-c]pyridin-5-yl)-2,2,12,12-tetramethyltridecane-5,9-dione **413622-85-2P**, 1-Ethyl-3-[13-(3-ethyl-2,5-dithioxoimidazolidin-1-yl)-2,2,12,12-tetramethyl-5,9-dioxotridecyl]imidazolidine-2,4-dione **413622-88-5P**, 1,13-Bis(3-ethyl-5-oxo-2-thioxoimidazolidin-1-yl)-2,2,12,12-tetramethyltridecane-5,9-dione **413622-89-6P**, 1,13-Bis(3-ethyl-2-oxo-5-thioxoimidazolidin-1-yl)-2,2,12,12-tetramethyltridecane-5,9-dione **413623-11-7P**, 2,14-Bis(4,6-dioxo-2,3,3a,6-tetrahydro-4H-thieno[3,2-c]pyridin-5-yl)-2,14-dimethylpentadecane-6,10-dione **413623-24-2P**, 2,14-Bis(3-ethyl-5-oxo-2-thioxoimidazolidin-1-yl)-2,14-dimethylpentadecane-6,10-dione **413623-25-3P**, 2,14-Bis(3-ethyl-2-oxo-5-thioxoimidazolidin-1-yl)-2,14-dimethylpentadecane-6,10-dione **413623-34-4P**, 1,12-Bis(4,6-dioxo-2,3,3a,6-tetrahydro-4H-thieno[3,2-c]pyridin-5-yl)-2,2,11,11-tetramethyldodecane-5,8-dione **413623-45-7P**, 1-Ethyl-3-[12-(3-ethyl-2,5-dithioxoimidazolidin-1-yl)-2,2,11,11-tetramethyl-5,8-dioxododecyl]imidazolidine-2,4-dione **413623-47-9P**, 1,12-Bis(3-ethyl-5-oxo-2-thioxoimidazolidin-1-yl)-2,2,11,11-tetramethyldodecane-5,8-dione **413623-48-0P**, 1,12-Bis(3-ethyl-2-oxo-5-thioxoimidazolidin-1-yl)-2,2,11,11-tetramethyldodecane-5,8-dione **413623-57-1P**, 1,14-Bis(4,6-dioxo-2,3,3a,6-tetrahydro-4H-thieno[3,2-c]pyridin-5-yl)-3,3,12,12-tetramethyltetradecane-6,9-dione **413623-62-8P**, 2,11-Bis(4,6-dioxo-2,3,3a,6-tetrahydro-4H-thieno[3,2-c]pyridin-5-yl)-2,11-dimethyldodecane-5,8-dione **413623-73-1P**, 1-Ethyl-3-[14-(3-ethyl-2,5-dithioxoimidazolidin-1-yl)-3,3,12,12-tetramethyl-6,9-dioxotetradecyl]imidazolidine-2,4-dione **413623-76-4P**, 1,14-Bis(3-ethyl-5-oxo-2-thioxoimidazolidin-1-yl)-3,3,12,12-tetramethyltetradecane-6,9-dione **413623-77-5P**, 1,14-Bis(3-ethyl-2-oxo-5-thioxoimidazolidin-1-yl)-3,3,12,12-tetramethyltetradecane-6,9-dione **413624-00-7P**, 1-Ethyl-3-[15-(3-ethyl-2,5-dithioxoimidazolidin-1-yl)-2,2,14,14-tetramethyl-6,10-dioxopentadecyl]imidazolidine-2,4-dione **413624-02-9P**, 1,15-Bis(3-ethyl-5-oxo-2-thioxoimidazolidin-1-yl)-2,2,14,14-tetramethylpentadecane-6,10-dione **413624-03-0P**, 1,15-Bis(3-ethyl-2-oxo-5-thioxoimidazolidin-1-yl)-2,2,14,14-tetramethylpentadecane-6,10-dione **414355-22-9P**, 1,15-Bis(4,6-dioxo-2,3,3a,6-tetrahydro-4H-thieno[3,2-c]pyridin-5-yl)-

PAGE 1-A



PAGE 1-B



L12 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1993:480195 CAPLUS
DOCUMENT NUMBER: 119:80195
TITLE: Protein-dimeric polysaccharide conjugate vaccine
INVENTOR(S): Marburg, Stephen; Tolman, Richard L.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 534764	A1	19930331	EP 1992-308730	19920924
R: CH, DE, FR, GB, IT, LI, NL				
US 5371197	A	19941206	US 1991-766242	19910924
CA 2078359	AA	19930325	CA 1992-2078359	19920916
JP 05279399	A2	19931026	JP 1992-254695	19920924

PRIORITY APPLN. INFO.: US 1991-766242 A 19910924

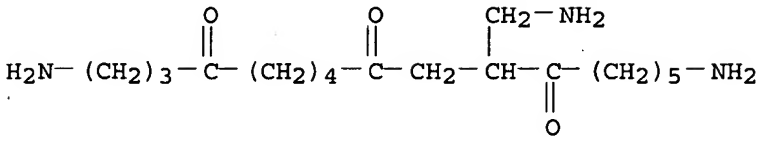
AB A conjugate immunogen having polysaccharide moieties derived from bacterial sources, provides a multivalent vaccine with a low protein to polysaccharide ratio. The vaccine reduces complications associated with injection of protein immunogens due to pyrogenic responses, such as swelling and pain, and is particularly suitable for administration to infants. OmpC protein conjugates with polyribosyl-ribitol-phosphate (PRP) was reacted with Streptococcus pneumoniae 6A polysaccharide (PnPs6A) to obtain a gelatinous mixture, which was filtered and washed. PnPs6A-PRP-OmpC conjugate was adsorbed onto Al(OH)3, then was i.m. administered to chinchillas at the dose of 0.08μg PnPs6A and 0.12μg PRP at 0 and 4 wks and animals were bled at 0, 2, 4, 6, and 8 wks. There were high titers of both anti-PnPs6A and anti-PRP antibody.

IT **148981-04-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with polysaccharides)

RN 148981-04-8 CAPLUS
CN 1,5-Naphthalenedisulfonic acid, compd. with 1,17-diamino-11-(aminomethyl)-4,9,12-heptadecanetrione (9CI) (CA INDEX NAME)

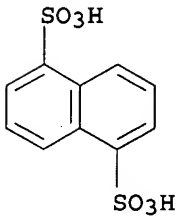
CM 1

CRN 148981-03-7
CMF C18 H35 N3 O3



CM 2

CRN 81-04-9
CMF C10 H8 O6 S2

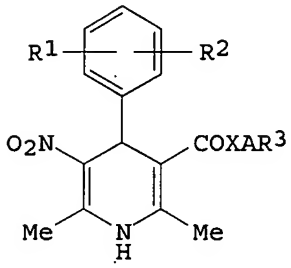


L12 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1986:460531 CAPLUS
DOCUMENT NUMBER: 105:60531
TITLE: 3-Nitrodihydropyridines and their use in pharmaceuticals
INVENTOR(S): Stoltefuss, Juergen; Heiker, Fred Robert; Franckowiak, Gerhard; Schramm, Matthias; Thomas, Guenter; Gross, Rainer
PATENT ASSIGNEE(S): Bayer A.-G. , Fed. Rep. Ger.
SOURCE: Ger. Offen., 47 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3420784	A1	19851205	DE 1984-3420784	19840604
US 4645775	A	19870224	US 1985-734502	19850515
EP 164010	A2	19851211	EP 1985-106149	19850520
EP 164010	A3	19870805		
EP 164010	B1	19890222		
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
AT 40883	E	19890315	AT 1985-106149	19850520
NO 8502024	A	19851205	NO 1985-2024	19850521
FI 8502204	A	19851205	FI 1985-2204	19850531
JP 61001660	A2	19860107	JP 1985-116839	19850531
JP 06070013	B4	19940907		
DK 8502485	A	19851205	DK 1985-2485	19850603
ZA 8504163	A	19860129	ZA 1985-4163	19850603
HU 38313	A2	19860528	HU 1985-2146	19850603
HU 193986	B	19871228		
ES 543838	A1	19860616	ES 1985-543838	19850603

AU 8543294	A1	19851212	AU 1985-43294		19850604
ES 553085	A1	19870101	ES 1986-553085		19860317
ES 553088	A1	19870101	ES 1986-553088		19860317
ES 553089	A1	19870101	ES 1986-553089		19860317
ES 553086	A1	19870116	ES 1986-553086		19860317
ES 553087	A1	19870116	ES 1986-553087		19860317
PRIORITY APPLN. INFO.:			DE 1984-3420784	A	19840604
			EP 1985-106149	A	19850520

GI



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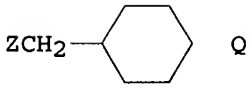
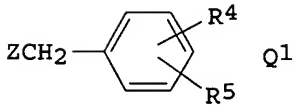


Q



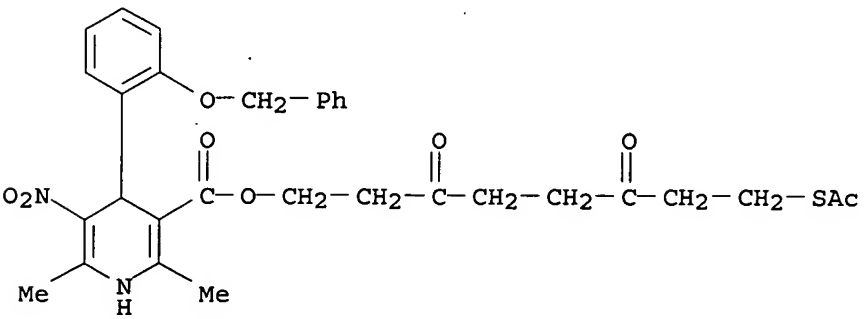
Q1

AB Dihydropyridines I [R1, R2 = H, alkyl, alkoxy, haloalkoxy, halo, NO2, haloalkyl, haloalkylthio, Q, Q1 [Z = O, S; R4, R5 = H, (halo)alkyl, (halo)alkoxy, halo, NO2]; R1R2 complete a 2,1,3-oxadiazole ring; X = O, S; A = hydrocarbondiyl optionally containing O, S, or CO or OH or aliphatic acyloxy substituents; R3 = O2CR6, SC(O)R6, SH, OH, NH2, phthalimido, NHCOR6, CO2R6, NR7R8, CONR7R8 (R6, R7, R8 = H, aliphatic group, Ph)], useful as circulation-influencing drugs with pos. inotropic activity, were prepared by 7 methods. Refluxing a mixture of 2-ClC6H4CHO, MeC(NH2):CHCO2CH2CH2OAc, and O2NCH2COMe 4 h in EtOH gave 29.4% I (R1 = 2-Cl, R2 = H, R3 = OAc, A = CH2CH2, X = O). The contraction of the left auricle of guinea pig heart, elec. stimulated with 1 Hz, was strengthened 94% by 10-5 g/mL I (R1 = 2-Me, R2 = H, R3 = OH, A = CH2CH2, X = O).

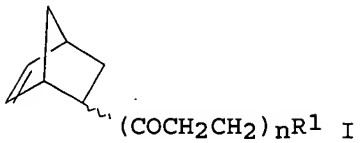
IT **103295-49-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as circulation influencing drug with pos. inotropic activity)

RN 103295-49-4 CAPLUS

CN 3-Pyridinecarboxylic acid, 1,4-dihydro-2,6-dimethyl-5-nitro-4-[2-(phenylmethoxy)phenyl]-, 8-(acetylthio)-3,6-dioxooctyl ester (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 1982:6125 CAPLUS
DOCUMENT NUMBER: 96:6125
TITLE: Addition of aldehydes to activated double bonds. XXX. Synthesis of unsymmetrical γ-polyketones, 4,7,10-trioxo esters, and 4,7,10-trioxo nitriles
AUTHOR(S): Stetter, Hermann; Mertens, Alfred
CORPORATE SOURCE: Inst. Org. Chem., Tech. Hochsch. Aachen, Aachen, D-5100, Fed. Rep. Ger.
SOURCE: Liebigs Annalen der Chemie (1981), (9), 1550-60
CODEN: LACHDL; ISSN: 0170-2041
DOCUMENT TYPE: Journal
LANGUAGE: German
OTHER SOURCE(S): CASREACT 96:6125
GI

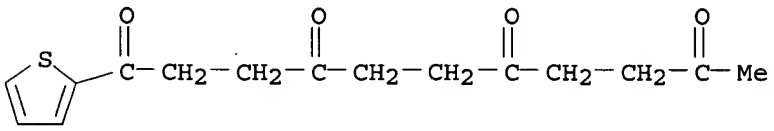


I

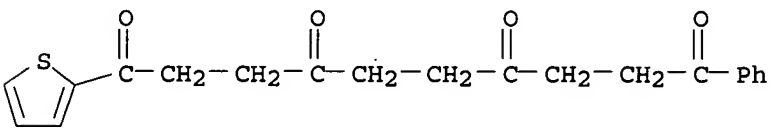
AB The thiazolium salt-catalyzed addition of RCHO (R = Me, Et, Pr, C6H13, Me2CH, Me2CHCH2, Ph, 4-ClC6H4, 4-MeOC6H4, 3-pyridyl, 2-furyl, 2-thienyl, norbornenyl) to H2C:CH(COCH2CH2)nR1 (n = 2, 3, 4; R1 = COMe, COPh, CO2Me, cyano) gave R(COCH2CH2)n+1R1. H2C:CH(COCH2CH2)nR1 (n = 2, R1 = COMe, COPh, CO2Me, cyano) were prepared by thiazolium salt-catalyzed addition of 5-norbornene-2-carboxaldehyde to H2C:CHCOCH2CH2R1 to give derivs. I which were pyrolyzed. Repeated addition of H2C:CHCOCH2CH2COMe to I (n = 2, R1 = COMe) and pyrolysis gave H2C:CH(COCH2CH2)nR1 (n = 3, 4; R1 = COMe).

IT **79977-19-8P 79977-22-3P 79977-27-8P**
79977-31-4P 79977-35-8P 79977-40-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

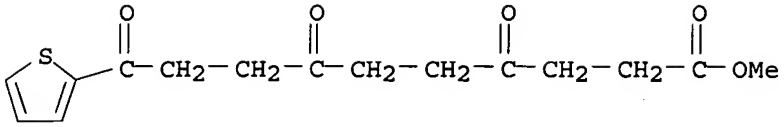
RN 79977-19-8 CAPLUS
CN 1,4,7,10-Undecanetetrone, 1-(2-thienyl)- (9CI) (CA INDEX NAME)



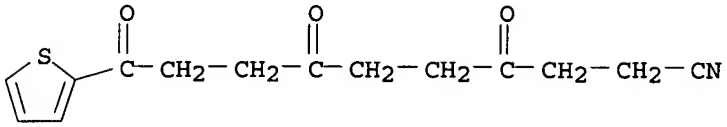
RN 79977-22-3 CAPLUS
CN 1,4,7,10-Decanetetrone, 1-phenyl-10-(2-thienyl)- (9CI) (CA INDEX NAME)



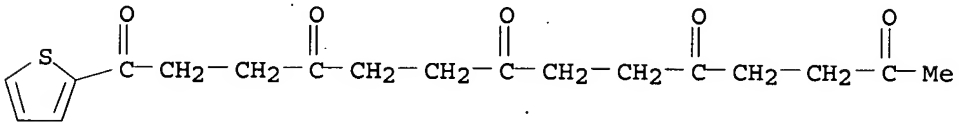
RN 79977-27-8 CAPLUS
CN 2-Thiophenedecanoic acid, γ,ζ,ι-trioxo-, methyl ester (9CI) (CA INDEX NAME)



RN 79977-31-4 CAPLUS
CN 2-Thiophenedecanenitrile, γ,ζ,ι-trioxo- (9CI) (CA INDEX NAME)



RN 79977-35-8 CAPLUS
CN 1,4,7,10,13-Tetradecanepentone, 1-(2-thienyl)- (9CI) (CA INDEX NAME)



RN 79977-40-5 CAPLUS
CN 1,4,7,10,13,16-Heptadecanehexone, 1-(2-thienyl)- (9CI) (CA INDEX NAME)

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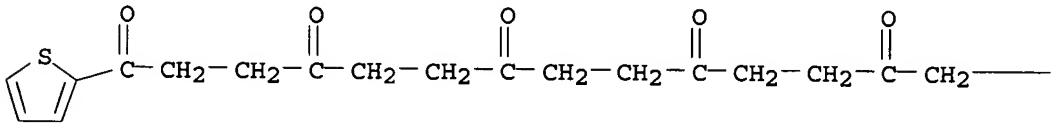
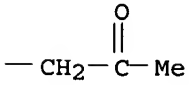


PAGE 1-B



L12 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1970:466448 CAPLUS
DOCUMENT NUMBER: 73:66448
TITLE: (β,β'-Dioxopolymethylene)bispyridinium salts as hardeners for photographi gelatin coatings
INVENTOR(S): Wilson, Burton David
PATENT ASSIGNEE(S): Eastman Kodak Co.
SOURCE: U.S., 3 pp. Division of U.S. 3403039
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3511849	A	19700512	US 1968-699359	19680122
PRIORITY APPLN. INFO.:			US 1968-699359 A	19680122

AB The disclosure is the same, but the claims are different.

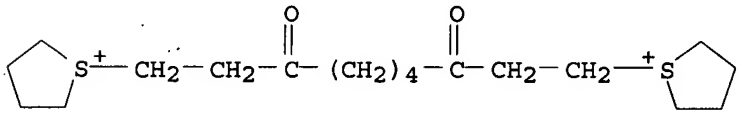
IT **18032-63-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(photographic hardening agent)

RN 18032-63-8 CAPLUS

CN Thiophenium, 1,1'-(3,8-dioxodecamethylene)bis[tetrahydro-, diperchlorate (8CI) (CA INDEX NAME)

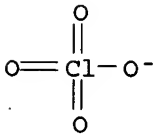
CM 1

CRN 47244-47-3
CMF C18 H32 O2 S2



CM 2

CRN 14797-73-0
CMF Cl O4



L12 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1969:72968 CAPLUS
DOCUMENT NUMBER: 70:72968
TITLE: Onium salt tanning agents for use in photographic layers
PATENT ASSIGNEE(S): Eastman Kodak Co.
SOURCE: Fr., 4 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1510220		19680119	FR	19661220

AB Novel tanning agents for photosensitive gelatin-Ag halide layers or for auxiliary photographic gelatin layers are compds. of the formula: Q+CH2CH2-CO[ACO]mCH2CH2Q+.2X-, where Q+ is the ion of a nitrated, sulfated, or phosphated onium salt; m is 0 or 1; A is a bivalent radical, e.g. (CR2)1-10 or a corresponding group in which ≥1 CR2 is replaced by CR:CR, O, S, an arylene, or cycloalkylene radical; R is H or a C1-4

alkyl radical; and X- is an anion. The agents are used at 5-100 parts per 1000 parts of gelatin. Examples of suitable onium salts are 3,8-dioxodecamethylenebis(pyridinium perchlorate) (I); 3,8-dioxodecamethylenebis(triphenylphosphonium perchlorate); 3,12-dioxotetradecamethylenebis(pyridinium perchlorate) or 3,8-dioxodecamethylenebis(tetramethylenesul-foniumperchlorate). Thus, I is prepared by dissolving 4.78 g. of 1,10-dichloro-3,8-decanedione in 25 ml. of anhydrous pyridine. This solution is heated at 50° for 1 day. After cooling, the product is precipitated The chloride is converted to perchlorate by a double decomposition with NaClO4. The product is recrystd. in H2O to obtain colorless crystals of I, m. 157-158°. The novel agents are nontoxic and do not impair the qualities of the photographic product.

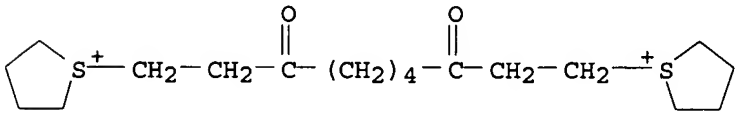
IT **18032-63-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 18032-63-8 CAPLUS

CN Thiophenium, 1,1'-(3,8-dioxodecamethylene)bis[tetrahydro-, diperchlorate (8CI) (CA INDEX NAME)

CM 1

CRN 47244-47-3
CMF C18 H32 O2 S2



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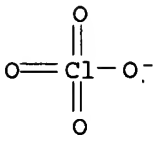


L12 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:	1968:105010 CAPLUS
DOCUMENT NUMBER:	68:105010
TITLE:	β-Oxoethyl onium salts as gelatin hardeners
INVENTOR(S):	Wilson, Burton David
PATENT ASSIGNEE(S):	Eastman Kodak Co.
SOURCE:	U.S., 3 pp. CODEN: USXXAM
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3345177		19671003	US	19640629

DE 1547750 DE
GB 1203215 GB

AB The title hardeners are prepared from the corresponding β-haloethyl ketones, using as solvent either MeCN or an excess of the sulfide or tertiary base reactant. The hardeners prepared are (m.p. given): 3,8-decanedione-1,10-bis(pyridinium perchlorate) 157-8°; 3,8-decanedione-1,10-bis(triphenylphosphonium perchlorate) 238-9; 3,12-tetradecanedione-1,14-bis(pyridinium perchlorate) 135-8°; 3,8-decanedione-1,10-bis(tetramethylenesulfonium perchlorate) 139-40°; 3-pentanone-1,5-bis(pyridinium perchlorate). The hardener is incorporated in an amount 0.5-10% of the weight of gelatin. For example, a solution of 4.78 g. 1,10-dichloro-3,8-decanedione in 25 ml. pyridine was heated at 50° for one day. After cooling, the product was precipitated by diluting with ether to yield 76% chloride salt, which was treated with Na perchlorate to give I. I was incorporated in gelatin AgBr photographic emulsion in proportions of 1, 3, and 6%, based on the weight of gelatin, and the samples, including a blank, were coated on cellulose acetate film support at coverage of 432 mg. Ag and 980 mg. gelatin per sq. ft. Emulsion layers containing the hardener had greatly reduced swelling compared with the layer without hardener. The hardeners were readily compatible with photographic characteristics of the emulsion.

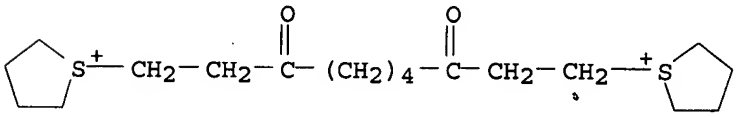
IT **18032-63-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 18032-63-8 CAPLUS

CN Thiophenium, 1,1'-(3,8-dioxodecamethylene)bis[tetrahydro-, diperchlorate (8CI) (CA INDEX NAME)

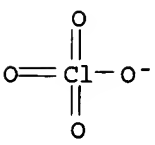
CM 1

CRN 47244-47-3
CMF C18 H32 O2 S2



CM 2

CRN 14797-73-0
CMF Cl O4



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L5             7 S L1 FULL SUB=L3

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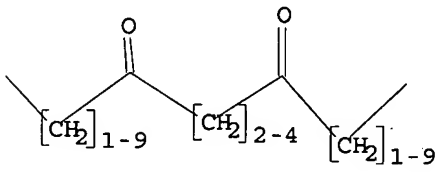

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